

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.185
ANSWERED ON 20.07.2023**

RURAL ELECTRIFICATION SCHEME IN NORTH EASTERN REGION

185. SHRI PRADYUT BORDOLOI:

**Will the Minister of POWER
be pleased to state:**

- (a) the status of implementation of Deen Dayal Upadhyaya-Gram Jyoti Yojana (DDU-GJY) rural electrification scheme in the North Eastern region, State-wise;**
- (b) the details of coverage of renewable solar energy schemes including DDU-GJY in Assam, district-wise;**
- (c) whether the Government maintains data on the number of complaints received due to malfunctioning of solar panels and if so, the details thereof;**
- (d) the details of number of damaged batteries replaced within five years of installation as per the DDU-GJY tender, State-wise;**
- (e) whether the Government has taken or intends to take the steps to ensure accountability of vendors in maintenance process under DDU-GJY and if so, the details thereof;**
- (f) whether the Government is cognizant of reports of distribution of substandard equipment and if so, whether the steps are being taken to improve quality of vendor selection under DDU-GJY; and**
- (g) whether the Government proposes to train local communities in maintenance of solar devices and if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : Government of India launched Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in December, 2014 for various rural electrification works including separation of agriculture and non-agriculture feeders, strengthening and augmentation of sub-transmission & distribution infrastructure, metering at distribution transformers/feeders/consumers and electrification of villages across the country. Works as per scope under the scheme has been completed across the country including North East Region and the scheme stands closed as on 31.03.2022.

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The details of Infrastructure created under DDUGJY (New including additional Infra and additional households (HHs) in North Eastern Region is attached at Annexure-I

(b): Under Decentralized Distributed Generation (DDG) component of DDUGJY, electricity access is provided to the un-electrified villages/habitations where grid connectivity is neither feasible nor cost effective.

'Saubhagya' scheme includes provision of solar based standalone systems to provide electricity to un-electrified households in remote & inaccessible villages/habitations, where grid extension is neither feasible nor cost effective.

Accordingly, a total of 1.46 Lakh households have been electrified through off grid mode under DDUGJY(New and Additional HHs) and Saubhagya in the State of Assam.

The district wise details of households electrified through off grid mode under DDUGJY, Saubhagya and coverage of renewable solar energy schemes in the state of Assam is attached at Annexure-II.

(c) & (d): Operation and maintenance is to be provided for 5 years from the date of installation by the executing agencies under DDUGJY scheme for the said work.

Project Implementing Agency (PIA)/Discom & executing agencies maintain the data on complaints received due to malfunctioning of solar panels and details of number of damaged batteries replaced within five years of installation.

(e) & (f): As per the guidelines of the DDUGJY scheme, PIA is solely responsible and accountable for quality assurance. Accordingly, PIAs ensure that quality of material supplied and installed meet accepted quality standards.

A robust quality assurance mechanism was in place under DDUGJY scheme, which is ensured through a three-tier quality control structure. At the first tier lies the quality control of the turnkey contractor/PIA; at the second tier lies quality control by the Project Management Agency (PMA); the third tier comprises quality control exercised by Nodal Agency (REC Ltd). The nodal agency deployed quality monitoring agencies to inspect the material and workmanship on random sampling basis. Quality of workmanship is ensured by field inspections by quality monitors. Vendor selection is under the purview of respective PIAs/ power utilities.

(g) : During installation of the solar systems, the contractors along with PIA officials explained the functioning of the installed solar systems. Also, operating instructions along with “do’s” and “don’ts” are informed to the beneficiary. Moreover, awareness campaigns and meetings wherever necessary is also carried out by the vendors along with PIA officials so that the beneficiaries are made aware of the functioning of the systems in order to avoid any misuse of the installed systems.

ANNEXURE-I

ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 185 ANSWERED IN THE LOK SABHA ON 20.07.2023

NER States: Physical achievement under DDUGJY (New, additional Infra & additional Household) as on 31.03.2022

Name of the State	Physical Parameters								
	Substation 33/11 KV (Nos)		DTR (Nos)	Lines (CKm)			Energy Meters (Nos)		
	New	Aug.		LT	11 KV Line (Excl. Feeder segregation)	33 & 66 KV	Consumer	DTR	11 KV Feeder
ARUNACHAL PRADESH	5	0	1928	3030	2494	197	95522	1623	377
ASSAM	22	13	21932	40081	15941	332	0	17118	257
MANIPUR	0	0	937	1664	793	0	100000	0	0
MEGHALAYA	9	2	1825	9134	1515	101	0	999	179
MIZORAM	0	4	368	399	425	7	19133	0	232
NAGALAND	6	0	475	719	659	60	0	697	191
SIKKIM	0	0	373	924	380	0	45969	0	65
TRIPURA	4	0	1262	2589	1770	40	161728	0	0
Grand Total	46	19	29100	58540	23978	736	422352	20437	1301

ANNEXURE-II**ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 185 ANSWERED IN THE LOK SABHA ON 20.07.2023**

Off grid Households electrified under DDUGJY (New & Additional HHs) & Saubhagya

S.No	District	HHs electrified under DDUGJY (New)through off grid mode	Addl. HHs electrified under DDUGJY through off grid mode #	Households electrified through off grid mode under saubhagya	Total off grid households electrified under DDUGJY
1	Baksa		228		228
2	Barpeta	3096	16768	12220	32084
3	Bongaigaon	548	2649		3197
4	Cachar	1565	215	1469	3249
5	Chirang		48		48
6	Darrang		863	2105	2968
7	Dhemaji	1775	2159	1283	5217
8	Dhubri	11522	6815	8630	26967
9	Dibrugarh	767	786	901	2454
10	Dima Hasao	2620	1500	3126	7246
11	Goalpara	8720	3197	4038	15955
12	Golaghat		1400	268	1668
13	Jorhat	1871	177	336	2384
14	Kamrup	-	2028	1186	3214
15	Kamrup Metropolitan	-	4161		4161
16	Karimganj	-	92	419	511
17	Kokrajhar	348	1150	578	2076
18	Lakhimpur	463	451	561	1475
19	Nalbari	906	7537	1396	9839

20	Sonitpur	580	616	1399	2595
21	Tinsukia	1539	705	1077	3321
22	Karbi Anglon	3785	-	8139	11924
23	Morigaon	298	-	-	298
24	Kamrup Rural	1207	-	-	1207
25	Hailakandi	98	-	1623	1721
Total		41708	53545	50754	146007

As per initial closure submitted by APDCL 53545 households have been electrified through off grid mode and as per revised closure 49365 households have been electrified through off grid mode

Final closure of DDUGJY Addl households of Assam yet to be approved.

DETAILS OF OTHER SOLAR PROJECTS UNDER APDCL ACROSS THE STATE OF ASSAM

Sl. No.	Name of the scheme	Capacity Allotted
1	Grid-Connected Rooftop Solar Power Projects in Residential sectors with Central Financial Assistance (CFA) under RTS Phase-II Programme of MNRE.	2MW
2.	Grid-Connected Rooftop Solar Power Projects in Residential sectors with Central Financial Assistance (CFA) under RTS Phase-II Programme of MNRE.	1.5 MW
3.	Supply, Installation, Testing and commissioning including 5 years Operation, Comprehensive Warranty and maintenance of Grid Connected Rooftop Solar Power Plant at different locations in the State of Assam under IPDS.	604 kW
4.	Supply, Installation, Testing and commissioning Including 5 years Operation, Comprehensive Warranty and maintenance of Off Grid Solar Power Plants to be installed in different rural PHCs under State budgetary Provision for the financial year 2019-20	470 kW
5	Supply, Installation, Testing and commissioning Including 5 years Operation, Comprehensive Warranty and maintenance of Grid Connected Rooftop Solar Power Plant with battery backup at different govt. buildings In the State of Assam.	629 kW
6.	Supply, Installation, Testing and commissioning including 5 years Operation, Comprehensive Warranty and maintenance of Off Grid Solar Power Plant to be installed at important historical locations, important religious places like Satra In the State of Assam.	365 kW
